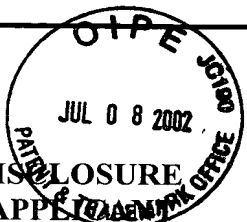


Form PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)



Complete if Known

Sheet	1	of	1	Application Number	10/077,184
				Filing Date	February 15, 2002
				First Named Inventor	Naokuni MURAMATSU
				Art Unit	Not Assigned 2841
				Examiner Name	P.T. Vu
				Confirmation No.	9515
				Attorney Docket No.	782_219

## U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
PV	AA	5,742,488	04/21/1998	Lonka et al.			

## U.S. COPENDING APPLICATIONS

Exam. Initial		Application Number	Our Docket No.	Filing Date	Inventor Name	Class	Sub Class

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
PW	AB	0 702 512	11/11/1998	EP				
PV	AC	08069828	03/12/1996	JP				✓
PTV	AD	2000133340	05/12/2000	JP				✓
PTV	AE	09-284023	10/31/1997	JP				✓

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

PTV	AF	Arai, Hiroyuki, "New antenna engineering", Sougoudenshi Publisher, April 9, 1996, pp. 114, ISBN4-915449-80-7 C3055					
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Examiner:		Date Considered:	2/4/03
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.